

# Highway Administrator's Report

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# Snow and Ice 2018-2019 Update

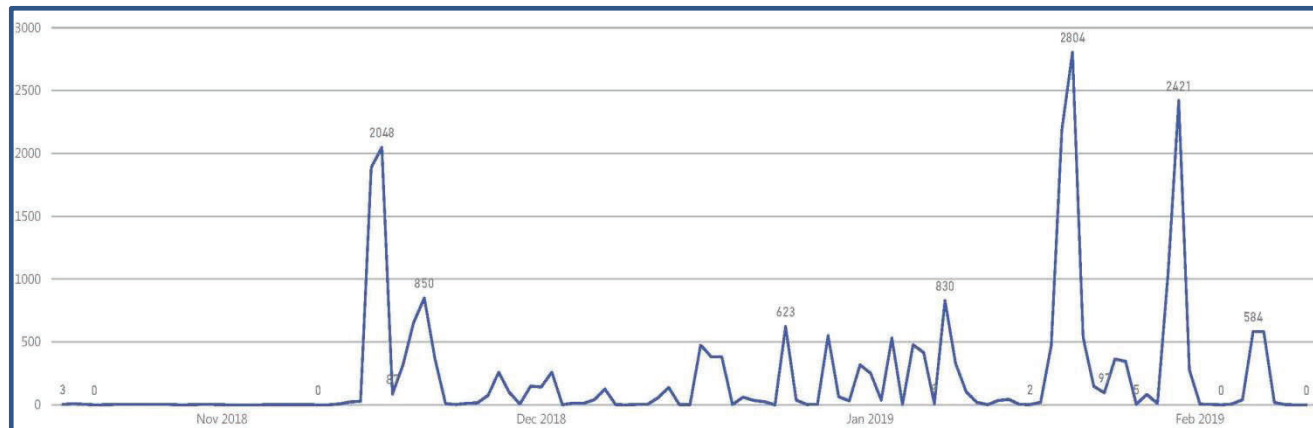


## Costs and Funding to Date:

- \$118 million total budget
- \$ 47,049,194 current expenditure
- **\$ 71,397,644 current balance**

# Statewide Storms	Hired Equipment (Hours)	DOT Equipment (Hours)	DOT Personnel (Hours)	Abrasives usage (Salt, Sand, Pre-mix)	Liquid Deicer Usage (Brine, MagCl, Lcc)
8	158,563	26,233	108,771	196,652 tons	934,728 gals

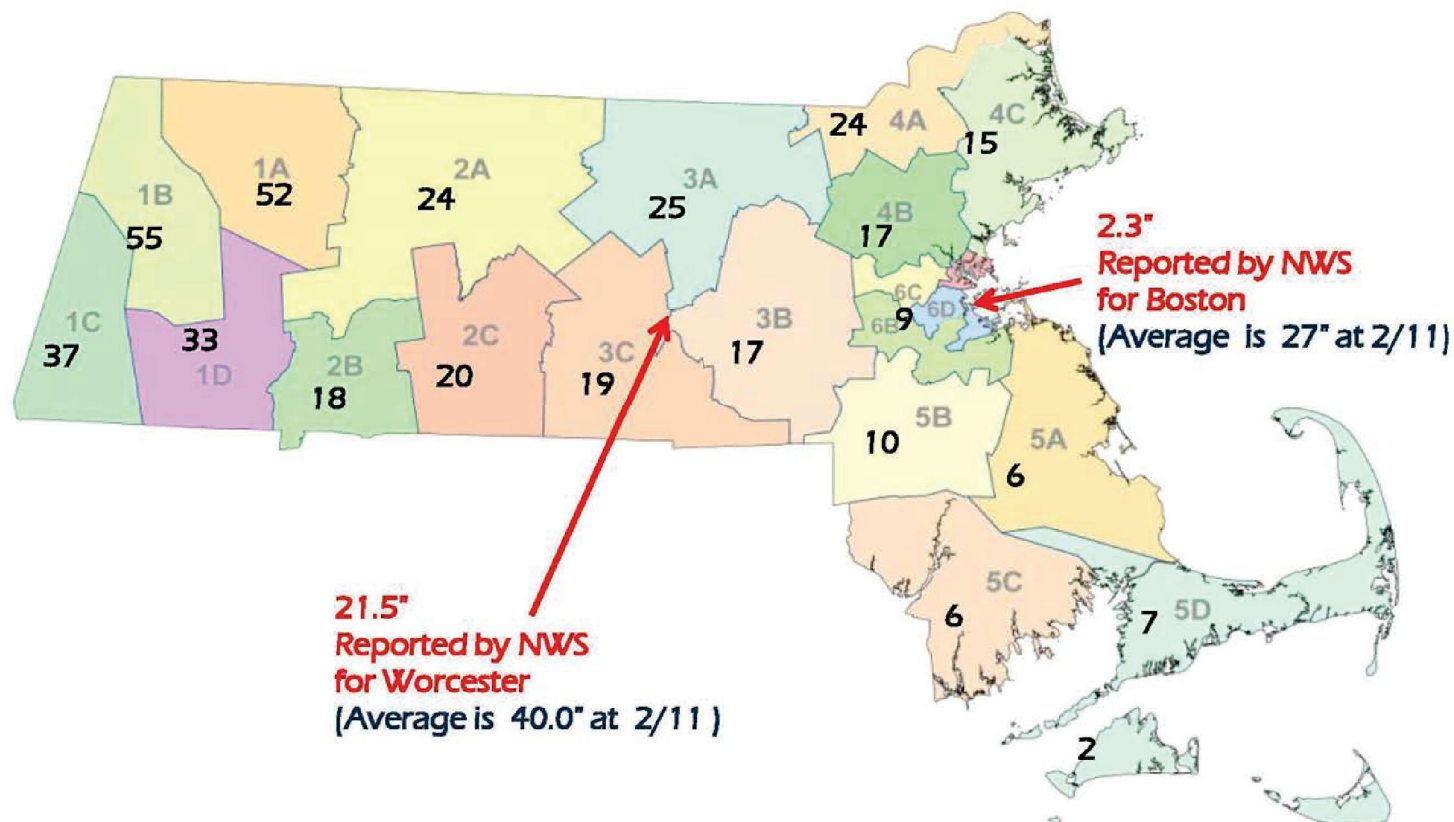
Daily number of Equipment Deployments



# Snow and Ice 2018-2019 Update



FY19 Snow Fall Amounts by District Sub-Areas (inches) of 2/11/2019  
Amounts are area averages reported by MassDOT personnel at depots throughout the season.



# Snow and Ice

## Winter Mix – Tuesday PM and Wednesday AM



- MassDOT crews will begin pre-treating the roadways starting after Tuesday's AM commute
- This is a state-wide event, as the storm is moving South to North, and will impact the Tuesday PM and Wednesday AM commutes
- Plan ahead. If possible, plan to work from home or be where you need to be by 2PM on Tuesday

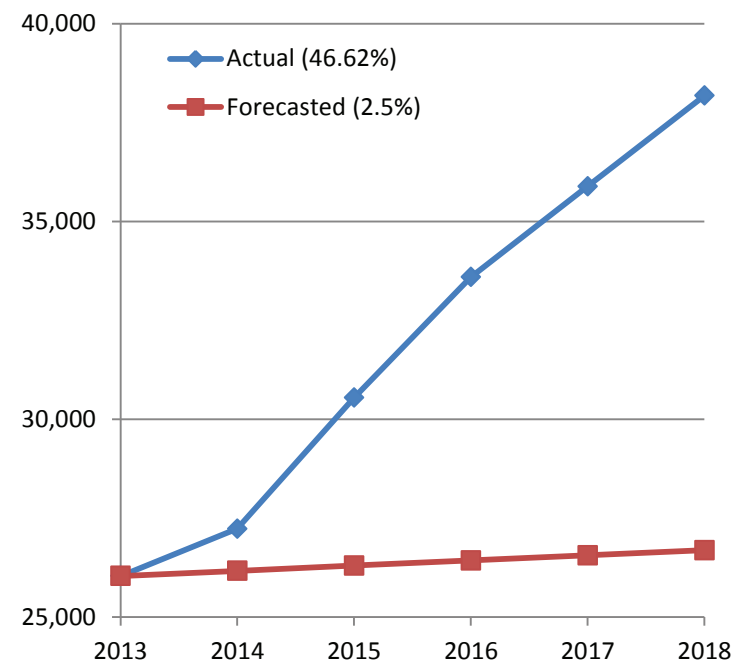
# Sumner Toll Demolition Update

- Construction:
  - 2018 November: Full Beneficial Use
  - 2019 Spring: Swing Gate and ITS system complete
  - Operation protocol will be set by data
- Review by FHWA Resource Center national transportation engineering experts
- Data working group
  - Working with Massport, DCR, MBTA, and the City of Boston to share, collect, and evaluate data
  - Collecting Bluetooth, tolling, and Google data
- Storrow Drive Pilot

# Sumner Traffic Volume Increases

- Since 2013 there has been an increase of 46.62% in daily traffic volume in the Sumner Tunnel
- 2013 Projections used Boston MPO model as a basis for design at 0.5% per Year (2.5% total)

Sumner Volumes 2013-2018



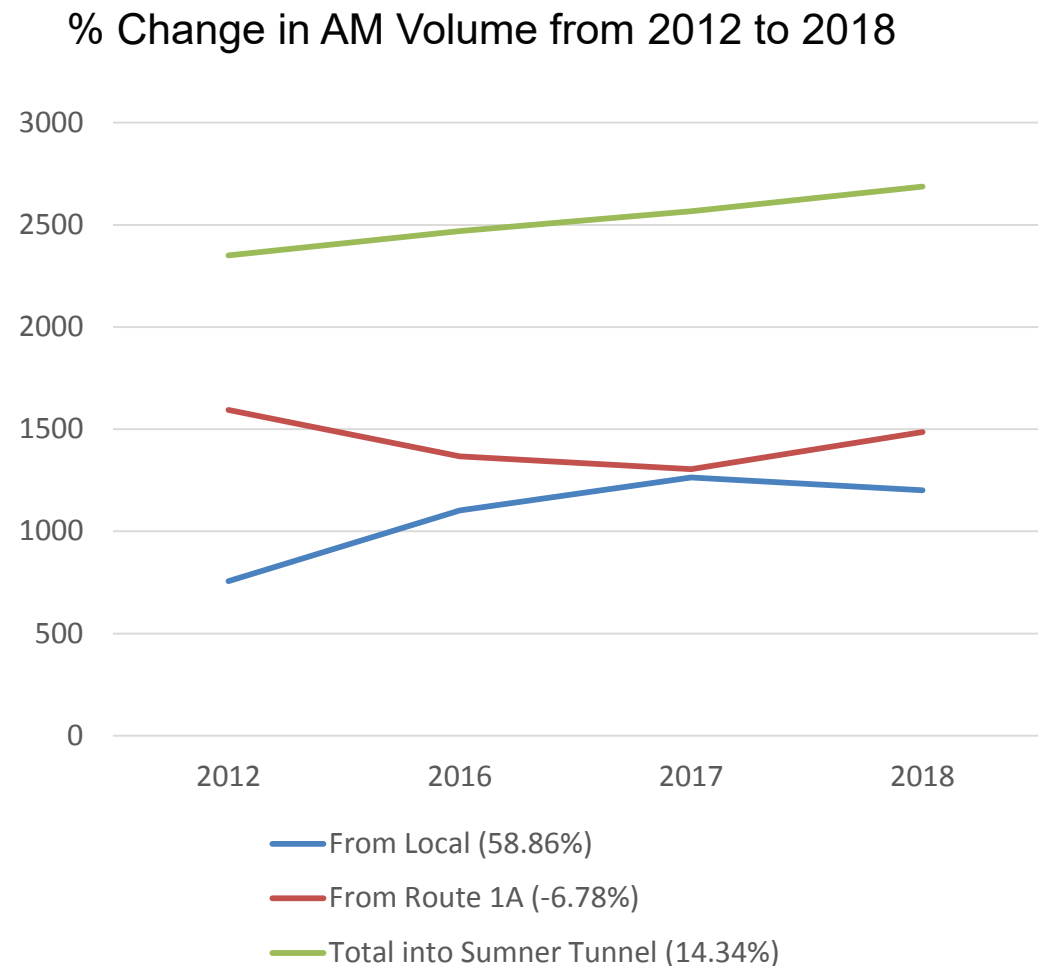
Volume based on AET Gantry Data

# Sumner Morning Peak Hour (7am-8am)

Typical AM Volumes, 2018	Total Vol	% Total
East Boston Streets	1,201	45%
Route 1A	1,486	55%
Total 7-8am	2,606	
AM East Boston Resident Plates	537	

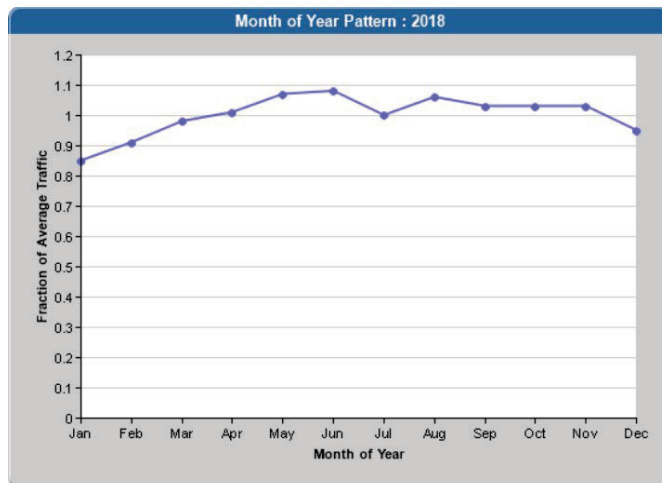
Toll gantry data indicates that the majority of all traffic entering the Sumner Tunnel from East Boston streets:

- At least 55% during the AM peak are non-residents
- This assumes that all 537 East Boston vehicles use the local access to Sumner.

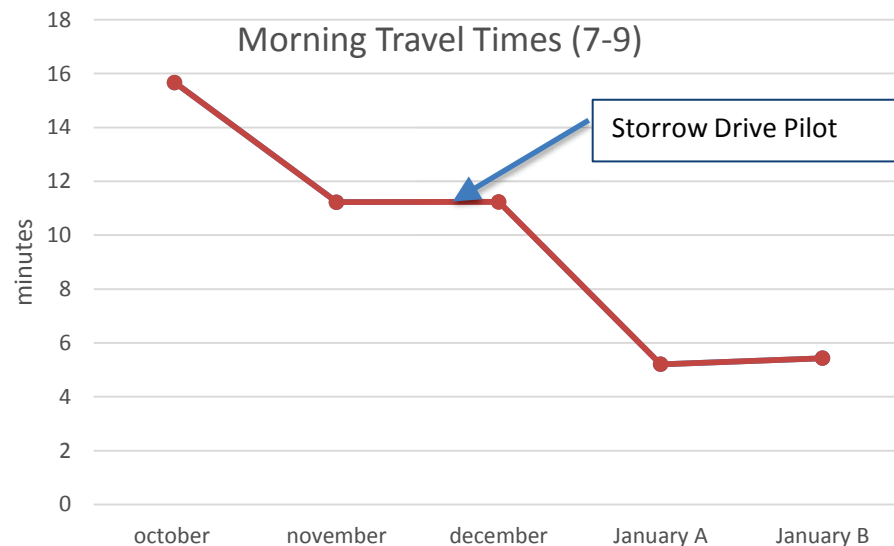


# Data Is Telling Us

- Decreased morning travel times since Storow Pilot
- Reduced congestion on East Boston streets
- Data shows that it is a congestion problem not a design problem

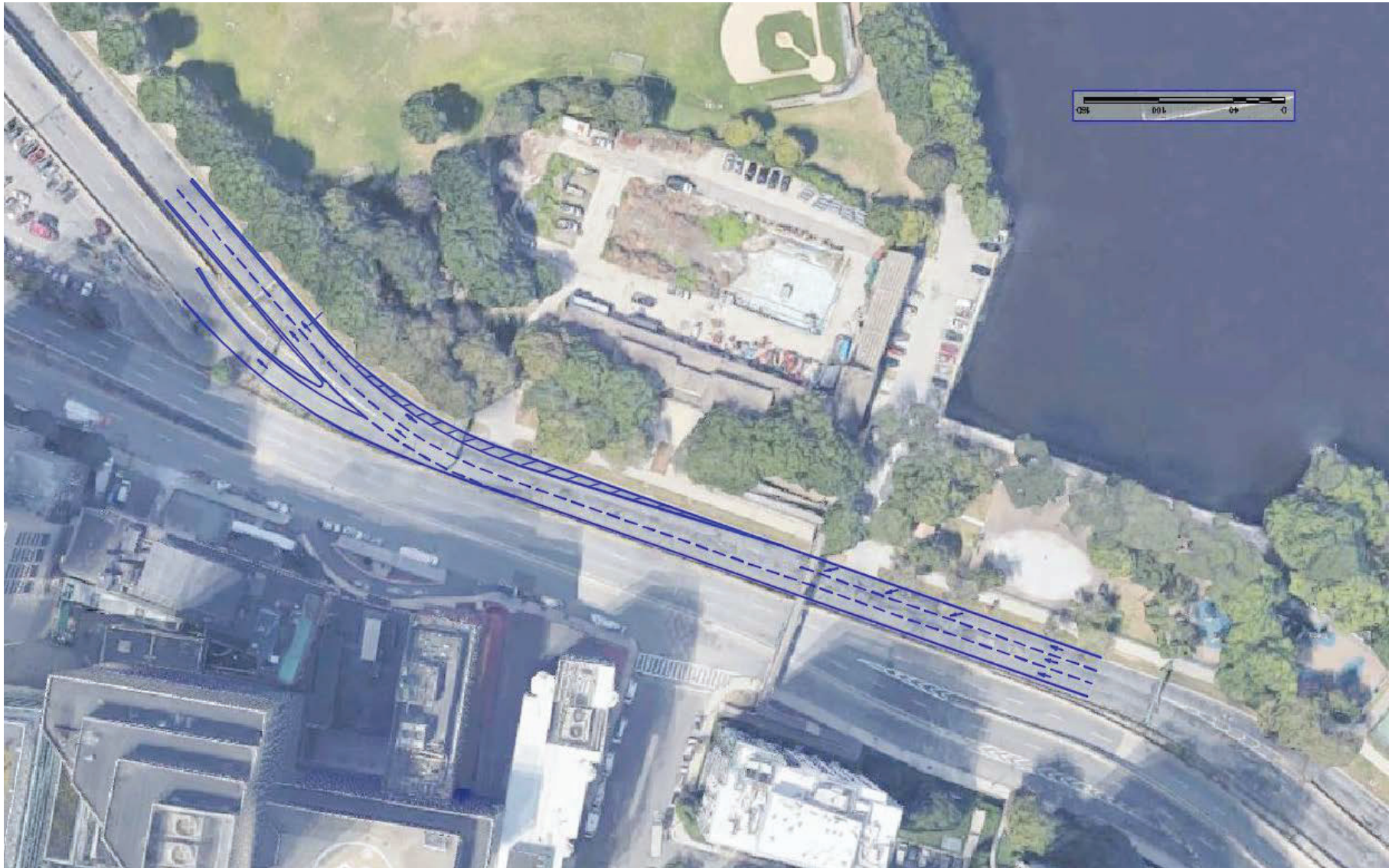


2/13/2019





# Storrow Drive Re-Stripping



## Additional and Ongoing Work

- Analyze FHWA's options
- Continue to monitor Storrow Drive
- Study East Boston network
  - Massport – Environmental Status and Planning Report
  - BPDA/BTD – East Boston Development and Traffic Study